Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) An apparatus configured to improve sound quality for a sound generator, comprising:

a processing device;

a memory coupled to the processing device;

a sound generator coupled to the processing device; and

a program residing in memory and configured to be run on the processing device, the program configured to vary the output amplitude of the sound generator depending on the frequency output of the sound generator.

2. (Original) The apparatus of claim 1, wherein the sound generator is a buzzer.

3. (Original) The apparatus of claim 1, wherein the program references a look up table including information used to determine the magnitude to vary the output amplitude of the sound generator.

4. (Original) The apparatus of claim 1, wherein the sound generator is incorporated into a handheld computing device.

5. (Original) The apparatus of claim 1, wherein the sound generator is incorporated into a personal digital assistant.

6. (Original) The apparatus of claim 1, wherein the program is configured to provide a flattened frequency response of the sound generator.

7. (Original) The apparatus of claim 1, wherein the sound generator is incorporated into a mobile electronic device.

8. (Previously Presented) A sound generator circuit, comprising:

a processor;

a memory coupled to the processor;

a modulator circuit coupled to the processor;

a transistor coupled the modulator circuit;

a sound generator coupled to the transistor; and

a program residing in memory and configured to be run on the processor, the program configured to vary the output amplitude of the sound generator depending on the output frequency of the sound generator.

9. (Previously Presented) The sound generator circuit of claim 8, wherein the transistor is a darlington transistor.

10. (Previously Presented) The sound generator circuit of claim 8, wherein the sound generator circuit is configured to be used in a personal digital assistant.

11. (Previously Presented) The sound generator circuit of claim 8, wherein the sound generator circuit is configured to be used with a mobile electronic device.

12. (Previously Presented) The sound generator circuit of claim 8, wherein the sound generator is a buzzer.

13. (Previously Presented) The sound generator circuit of claim 8, wherein the sound generator is a Bujeon sound generator.

14. (Previously Presented) The sound generator circuit of claim 8, wherein the sound generator is a Citizen sound generator.

15. (Original) A method of improving sound quality for a sound generator, comprising:

providing a signal indicative of a sound frequency to be generated;

accessing a look up table according to the sound frequency to be generated to obtain volume adjustment information;

providing the current volume setting; and

adjusting the volume based on the volume adjustment information.

16. (Original) The method of claim 15, further comprising:

scaling the volume adjustment information based on the current volume setting to obtain a scaled volume adjustment.

17. (Original) The method of claim 16, further comprising:

subtracting the scaled volume adjustment from the current volume setting to obtain a desired volume setting.

18. (Original) The method of claim 17 further comprising:

setting the volume to the desired volume setting.

19. (Original) The method of claim 18 further comprising:

generating a sound at the sound frequency to be generated.

20. (Original) A method of improving sound quality for a sound generator, comprising:

providing a signal indicative of a sound frequency to be generated;

calculating volume adjustment information according to the sound frequency to be generated;

providing the current volume setting; and

adjusting the volume based on the volume adjustment information.